Response/Amendment to Official Action of 27 December 06 SN: 799,459 Filed: 12 March 2004 Inventor: Anthony J. Hadala Confirmation: 7698 Examiner: Frank, Rodney T. TC A/U: 2856 Title: A Temperature-Sensing Device for Determining the Level of a Fluid Docket: 1286

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

Claim 1 (currently amended): A method for determining the level of <u>a foamable</u> fluid in a container comprising:

obtaining a container having an outlet for a first fluid and an inlet for a second fluid:

said container having a first fluid region therein;

a first fluid being present at an original level in said first fluid region of said container;

said container, for when in use, having said first fluid at least partially removed from said container thereby forming a second fluid region;

placing on at least one exterior surface of said container at least one temperature-measuring device operating at a single discrete temperature <u>in the</u> range of 45 ° F to 80 ° F;

at least one said temperature-measuring device being located in a region of said container where said second fluid region is formed by removal of said first fluid; initially observing a first temperature in said first fluid region of said container when said first fluid is present in said first fluid region of said container; subsequently observing a second temperature in said second fluid region of said container after a portion of said first fluid has been removed; correlating the difference between said first temperature and said second temperature to the level of said first fluid in said container; and,

provided further that the temperature measuring device is based on a member selected form the group consisting of a leuco dye, a clearing point liquid crystal, cholesteric liquid crystal, chiralnematic liquid crystal, and mixtures thereof.

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Claim 2. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein said first fluid is at least partially withdrawn through said outlet between the time of observing said first temperature and said second temperature.

Claim 3. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein the second fluid is introduced through said inlet between the time of observing said first temperature and said second temperature.

Claim 4. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein said second fluid is a gas.

Claim 5. (canceled).

Claim 6. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein said temperature-measuring device is adhered to an outer surface of said container as a magnetic strip.

Claim 7. (previously presented): The method for determining the level of said first fluid in a container according to claim 1 wherein a plurality of temperature-measuring device are sequentially located in the regions of said container where said second fluid region is formed by removal of said first fluid.

Claim 8. (previously presented): The method for determining the level of said first fluid in a container according to claim 1 wherein the member comprises one or more of one or more of: leucoauramine, diarylphthalide, polyarylcarbinole, acylauramine, arylauramine, Rhodamine B lactam, indoline, spiropyran, and fluoran; Crystal Violet lactone (CVL), Malachite Green lactone, 2-anilino-6-(N-cyclohexyl-N-

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Claim 9. (previously presented): The method for determining the level of said

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Claim 10. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein said first fluid is a liquid.

Claim 11. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein said first fluid comprises beer and wherein said second fluid comprises carbon dioxide.

Claim 12. (previously presented): The method for determining the level of said first fluid in said container according to claim 1 additionally comprising the step of applying water to the temperature-measuring device with a water moistened cloth or a spray bottle wherein the temperature of the water applied is from 45 ° F to 80 ° F.

Claim 13 (previously presented): The method for determining the level of said first fluid in said container according to claim 1 wherein the temperature-measuring device is black color at one temperature and green at another temperature.

Claim 14. (previously canceled).

Claim 15. (currently amended): A fluid dispensing assembly comprising:
a sealed container, for when in use, containing a liquid under pressure;
said sealed container having an exterior surface;
said sealed container having input means for maintaining a constant

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pressure within sealed container

said exterior surface of said sealed container having a heightwise dimension and a widthwise dimension;

at least one temperature-measuring device positioned heightwise dimension on said exterior surface, provided further that said temperature-measuring device measures <u>a</u> single discrete temperatures in the range of about from 45 ° F to 80 ° F; and,

provided further that the temperature measuring device is based on a member selected form the group consisting of a leuco dye, a clearing point liquid crystal, cholesteric liquid crystal, and mixtures thereof.

Claim 16. (previously presented): The fluid dispensing assembly according to claim 15 wherein said input means supplies carbon dioxide to said sealed container.

Claim 17. (previously presented): The fluid dispensing assembly according to claim 15 the member comprises one or more of: leucoauramine, diarylphthalide, polyarylcarbinole, acylauramine, arylauramine, Rhodamine B lactam, indoline, spiropyran, and fluoran; Crystal Violet lactone (CVL), Malachite Green lactone, 2-anilino-6-(N-cyclohexyl-N-methylamino)-3-methylfluoran, 2-anilino-3-methyl-6-(N-methyl-N-propyl-amino)fluoran, 3-[4-(4-phenylaminophenyl)aminophenyl]-amino-6-methyl-7-chlorofluoran, 2-anilino-6-(N-methyl-N-isobutylamino)-3-methylfluoran, 2-anilino-6-(dibutyl-amino)-3-methylfluoran, 3-chloro-6-(cyclohexylamino)-fluoran, 2-chloro-6-(diethylamino)fluoran, 7-(N,N-dibenzylamino)-3-(N,N-diethylamino)fluoran, 3,6-bis(diethylamino)fluoran, gamma-(4'-nitroanilino)lactam, 3-diethylaminobenzo[a]-fluoran, 3-dietylamino-6-methyl-7-aminofluoran, 3-diethylamino-7-xylidinofluoran, 3-(4-diethylamino-2-ethoxyphenyl)-3-(1-ethyl-2-methylindole-3-yl)-4-azapht halide, 3-(4-diethylaminophenyl)-3-(1-ethyl-2-methylindole-3-yl)phthalide, 3-diethylamino-7-chloroanilinofluoran, 3-diethylamino-7,8-benzofluoran, 3,3-bis(1-n-butyl-2-methylindole-3-yl)phthalide, 3,6-dimethylethoxyfluoran, 3-diethylamino-6-methoxy-7-aminofluoran,

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Claim 18. (cancelled):

Claim 19. (cancelled):

Claim 20. (cancelled):